

3738

BARNES & THORNBURG

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Customer No. 23643

Group: 3738

Confirmation No.: 7805

Application No.: 10/656,345

Invention: REINFORCED SMALL
INTESTINAL SUBMUCOSA

Inventor: Pamela L. Plouhar et al.

Filed: September 5, 2003

Attorney

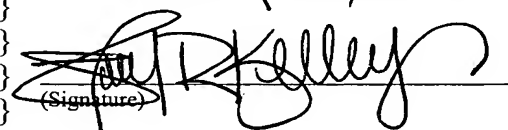
Docket: 265280-73406

Examiner: Unknown

Certificate Under 37 CFR 1.8(a)

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on February 12, 2004


(Signature)

Holly R. Kelley
(Printed Name)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

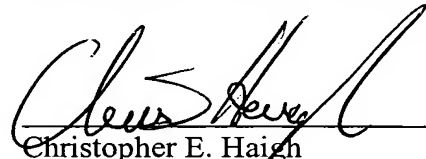
This statement is filed in the application identified above pursuant to 37
C.F.R. § 1.56. No representation is intended that a complete search has been made of the
prior art or that no better art references than listed below are available. A copy of each
reference is provided for review by the Examiner. The filing of this Statement shall not be
construed to be an admission that the information cited in the Statement is, or is considered to
be, material to patentability as defined in §1.56(b).

(
This Supplemental Information Disclosure Statement is submitted in conjunction with an electronic submission of an Supplemental Information Disclosure Statement submitting all U.S. cited patents, on this same day, February 12, 2004.

None of the cited art is believed to disclose or suggest the invention recited in the claims of the above-identified application. It is therefore believed that the claimed invention is patentably distinguishable over these references.

This Supplemental Information Disclosure Statement is being filed within three months of the filing date of the above-identified application or before the mailing date of a First Office Action on the merits. In accordance, with 37 C.F.R. §1.97(b), no fees are believed to be due in connection therewith. To the extent that any fees may be due in connection with this Supplemental Information Disclosure Statement, please charge any such fees to our Deposit Account No. 10-0435.

Respectfully submitted,
BARNES & THORNBURG

A handwritten signature in black ink, appearing to read "Chris Haigh", is written over a horizontal line.

Christopher E. Haigh
Attorney Registration No. 46,377

CEH/hrk
Indianapolis, Indiana 46204
INDSO2 635602V1

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT

U.S. PATENT & TRADEMARK OFFICE
PATENT DOCKET NO.
5280-73406

SERIAL No.
10/656,345

APPLICANT
Samela L. Plouhar et al.

FILING DATE
September 5, 2003

GROUP
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U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL	WO 90/09769	Sept. 7, 1990	PCT			
	AM	WO 94/11008	May 26, 1994	PCT			
	AN	WO 95/05083	Feb. 23, 1995	PCT			
	AO	WO 95/06439	Sept. 3, 1995	PCT			
	AP	WO 95/22301	Aug. 24, 1995	PCT			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Lenz, et al., "SIS as an ACL Replacement in Dogs and Goats," First Symposium, December, 1996, USA.
	AR	Cook, et al., "Comparison of SIS Cancellous Bone as Substrates for Three-Dimensional Culture of Canine Articular Chondrocytes," First SIS Symposium, December, 1996, USA
	AS	Badylak, et al., "Different Configurations of Small Intestinal Submucosa as a Biomaterial for Achilles Tendon Repair in a Dog Model," First SIS Symposium, December, 1996, USA
	AT	Voytik-Harbin & Badylak, "Induction of Osteogenic Activity By Small Intestinal Submucosa in Rat Calvaria Non-union Defects," First SIS Symposium, December, 1996, USA
	AU	Kandel, et al., "SIS and Reconstituted Cartilage and Its Use in Joint Resurfacing of Focal Defects in Rabbits," First SIS Symposium, December, 1996, USA
	AV	Tullius, et al., "Differential Permeability of SIS," First SIS Symposium, December, 1996, USA
	AW	Obermiller, et al., "Suture Retention Strength of SIS," First SIS Symposium, December, 1996, USA
	AX	Shelton, et al., "Repair of the Canine Medial Meniscus using SIS: A Feasibility Study," Second SIS Symposium, December, 1998, USA
	AY	Cook, et al., "Meniscal Regeneration in dogs Using Grafts of SIS," Second SIS Symposium, December, 1998, USA
	AZ	Welch, et al., "Healing of Canine Meniscal Defect with Small Intestinal Submucosa Implants," December, 1998, USA

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 2 of 6

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 265280-73406	SERIAL No. 10/656,345
	APPLICANT Pamela L. Plouhar et al.	
	FILING DATE September 5, 2003	GROUP 3738

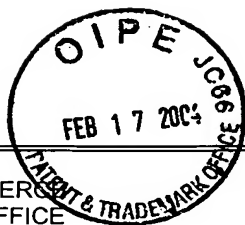
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FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	BL	WO 95/32623	Dec. 7, 1995	PCT			
	BM	WO 96/24661	Aug. 15, 1996	PCT			
	BN	WO 98/06445	Feb. 19, 1998	PCT			
	BO	WO 98/22158 A2	May 28, 1998	PCT			
	BP	WO 98/22158 A3	May 28, 1998	PCT			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
	BQ	Solchaga, et al., "SIS as Delivery Vehicle for Mesenchymal Progenitor Cells," December, 1998, USA
	BR	Paulino, et al., "The Use of an SIS-PGA Composite Graft for Repair of Cartilage Defect," December, 1998, USA
	BS	Toombs and May, "Clinical Follow-Up of Three Canine ACL Reconstructions Using an SIS ACL Device," December, 1998, USA
	BT	Tomasek and Gifford, "Small Intestinal Submucosa Matrix Regulates The Differentiation of Myofibroblasts," Third SIS Symposium, November, 2000, USA
	BU	Cook, et al., "Tissue Engineering For Meniscal Repair Using SIS," Third SIS Symposium, November, 2000, USA
	BV	Lifrak, et al., "Enhanced Repair of Goat Meniscal Defects Using Porcine Small Intestinal Submucosa (SIS)," Third SIS Symposium, November, 2000, USA
	BW	Hoffman, "SIS Disc Replacement For the Temporomandibular Joint," Third SIS Symposium, November, 2000, USA
	BX	Kaeding, "Use of SIS In The Surgical Treatment of Chronic Symptomatic Patella Tendinosis," Third SIS Symposium, November, 2000, USA
	BY	Tomczak and Kaeding, "Use of SIS in The Surgical Treatment of Tendinosis About The Foot And Ankle," Third SIS Symposium, November, 2000, USA
	BZ	Moore, et al., "Bridging Segmental Defects In Long Bones With Intramedullary Tubes And Periosteal Sleeves Made From Small Intestinal Submucosa (SIS)," Third SIS Symposium, November, 2000, USA

Examiner	Date Considered
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	CB						
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	CJ						
	CK						

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	CL	WO 98/30167	July 16, 1998	PCT			
	CM	WO 98/34569	Aug. 13, 1998	PCT			
	CN	WO 99/03979	Jan. 28, 1999	PCT			
	CO	WO 99/43786	Sept. 2, 1999	PCT			
	CP	WO 99/47188	Sept. 23, 1999	PCT			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

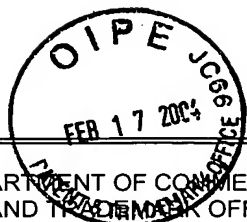
	CQ	Wang, et al., "Small Intestinal Submucosa Enhances Healing of Medical Collateral Ligament In A Rabbit Model," Third SIS Symposium, November, 2000, USA
	CR	Ojha, et al., "PGA-P11a Versus Small Intestinal Submucosa (SIS): A Comparison of Neo-Cartilage Grown From Two Scaffold Materials," Third SIS Symposium, November 2000, USA
	CS	Wiklerson, "Use of The Porcine Small Intestine Submucosal Tissue Graft And Repair of Rotator Cuff Tears," Third SIS Symposium, November, 2000, USA
	CT	"Small Intestinal Submucosa," Third SIS Symposium, November, 2000, USA
	CU	"Current Clinical Applications of SIS," Third SIS Symposium, November, 2000, USA
	CV	Hodde, et al., "Glycosaminoglycan Content of Small Intestinal Submucosa: A Potential for GAG-Growth Interactions in SIS-Mediated Healing", First Symposium, December, 1996, USA.
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	DM	WO 00/24437 A3	May 4, 2000	PCT			
	DN	WO 00/32250	Jun. 8, 2000	PCT			
	DO	WO 00/48550	Aug. 24, 2000	PCT			
	DP	WO 00/72782	Dec. 7, 2000	PCT			

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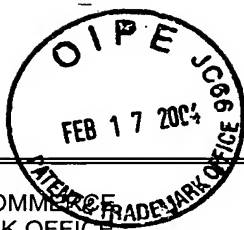
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	EM	WO 01/39694 A2	Jun. 7, 2001	PCT			
	EN	WO 01/39694 A3	June 7, 2001	PCT			
	EO	WO 01/45765	Jun. 28, 2001	PCT			
	EP	WO 01/66159	Sept. 13, 2001	PCT			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

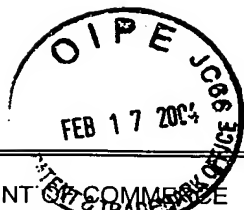
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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